

539,228

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number
WO 2004/058146 A2

(51) International Patent Classification⁷: **A61K**
(21) International Application Number:
PCT/US2003/040081
(22) International Filing Date:
15 December 2003 (15.12.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
10/322,281 17 December 2002 (17.12.2002) US

(71) Applicant (for all designated States except US): **SAGRES DISCOVERY, INC.** [US/US]; 2795 2nd Street, Suite 400, Davis, CA 95616 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MORRIS, David, W.** [US/US]; 2841 Emerald Bay Drive, Davis, CA 95616 (US). **MALANDRO, Marc, S.** [US/US]; 2648 Emerald Bay Drive, Davis, CA 95616 (US).

(74) Agents: **BASU, Shantanu et al.**; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, CA 94304 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL COMPOSITIONS AND METHODS IN CANCER

(57) **Abstract:** The present invention relates to novel sequences for use in detection, diagnosis and treatment of cancers, especially lymphomas. The invention provides cancer-associated (CA) polynucleotide sequences whose expression is associated with cancer. The present invention provides CA polypeptides associated with cancer and provides diagnostic compositions and methods for the detection of cancer. The present invention provides monoclonal and polyclonal antibodies specific for the CA polypeptides. The present invention also provides diagnostic tools and therapeutic compositions and methods for screening, prevention and treatment of cancer.

WO 2004/058146 A2